

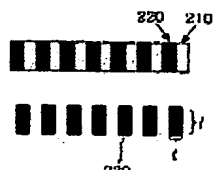
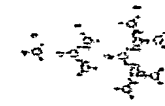
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Pat. Pub. 920,927

☐ Eng-Kor ☒ Patent ☒ Utility model Status

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Simple	Drawing	(1 - 2 of 2)	Application No.			
<input type="checkbox"/> No.	Drawing		Application No.	Status	Title of invention	IPC
<input type="checkbox"/> 1			1020020072671	Registered	FE-BASED METAL OXIDE ELECTRODE MATERIAL FOR ELECTROCHEMICAL CAPACITOR AND FABRICATING METHOD THEREOF	H01L 27/1
<input type="checkbox"/> 2			1020010012626	Registered	METAL NANOPARTICLES STABILIZED BY DENDRON OR DENDRON DERIVATIVES AND METHOD FOR MANUFACTURING THE SAME	B82B 1/0



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POSTECH FOUNDATION

DERWENT- 2003-164446
ACC-NO:

DERWENT- 200458
WEEK:

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TITLE: Metal nanoparticles stabilized by dendron or dendron
derivatives and method for manufacturing the same

INVENTOR: JUN, U S ; JUN, Y M ; KIM, G M ; KIM, M G ; JEON, W S ; JEON,
Y M

PATENT- POSTECH FOUND[POSTN] , UNIV POHANG SCI &
ASSIGNEE: TECHNOLOGY[UYPON]

PRIORITY-DATA: 2001KR-0012626 (March 12, 2001)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
KR 429905 B	May 3, 2004	N/A	000	B82B 001/00
KR 2002072671 A	September 18, 2002	N/A	001	B82B 001/00

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
KR 429905B	N/A	2001KR-0012626	March 12, 2001
KR 429905B	Previous Publ.	KR2002072671	N/A
KR2002072671A	N/A	2001KR-0012626	March 12, 2001

INT-CL (IPC): B82B001/00

ABSTRACTED-PUB-NO: KR2002072671A

BASIC-ABSTRACT:

NOVELTY - Metal nanoparticles having quite constant particle size by
using dendron or dendron derivatives as stabilizing ligands in

synthesis of the metal nanoparticles are provided, and a method for synthesizing the metal nanoparticles is provided.

DETAILED DESCRIPTION - The metal nanoparticles the surface of which is stabilized by dendron-thiol or dendron-thiol derivatives of the following chemical formula 1, where R is selected from the group consisting of hydrogen, aromatic, and alkyl group, alkyl hydroxy group, alkoxy group and alkene group having carbon atoms of 1 to 20, and n is an integer of 1 to 20. The method for manufacturing the metal nanoparticles comprises the steps of dissolving and dispersing metal contained salts; mixing a phase transition reagent; reacting the surface of metal by adding dendron-thiol or dendron-thiol derivatives of the following chemical formula 1.

CHOSEN-DRAWING: Dwg.1/10

TITLE-TERMS: METAL STABILISED DERIVATIVE METHOD MANUFACTURE

DERWENT-CLASS: Q68